

From: [HOPE Bruce](#)
To: [Eric Blischke/R10/USEPA/US@EPA](#); [Chip Humphrey/R10/USEPA/US@EPA](#)
Cc: [ANDERSON Jim M](#); [PRESTON Gerry](#)
Subject: FW: Fate and Transport Modeling Meeting - Portland Harbor
Date: 08/07/2006 07:57 AM

Eric / Chip -

I guess we all knew this day was coming but I've finally received the long promised Umatilla risk assessment work. This means I will have no time to spend on Portland Harbor beyond helping Karen Tarnow and the stormwater team use my (EPA's?) T&F model to conceptualize sampling designs, discharge behavior, etc. I simply won't have time to be involved in the project to the extent envisioned by Carl below. I think you will need to identify someone else (Earl, Ben?) to take on these tasks. You might be able to focus on the T&F aspects since we seem to have achieved, for the moment, some agreement about the food web modeling.

I think you should consider that what Carl is calling a "hybrid" model seems (based on the redline that was done of the draft report that accompanied early versions of the model) to be a nearly complete replacement of the simple T&F model with the EFDC. By accepting such hybridization, you become constrained by the EFDC's long run times, by its lack of transparency, and by the difficulty of its manipulation by non-specialists - not exactly the readily accessible tool for managers thinking about options during the FS. It is also not clear (at least to me) whether the work outlined below replaces, augments, or is separate from some of the other models that Carl alluded to at our meetings in Portland and Seattle. It might be good to clarify the scope and purpose of T&F modeling before moving forward.

Bruce

-----Original Message-----

From: Carl Stivers [mailto:cstivers@anchorenv.com]
Sent: Friday, August 04, 2006 9:29 AM
To: Blischke.Eric@epamail.epa.gov; humphrey.chip@epa.gov
Cc: Gene Revelas; Valerie Oster; Keith Pine; rjw@nwnatural.com; Jim.McKenna@portofportland.com; RICKA@BES.CI.PORTLAND.OR.US; Lisa Saban (Lisa Saban); 'Nick Varnum' ('Nick Varnum'); Laura Kennedy (Laura Kennedy); nancyj@windwardenv.com; johnt@windwardenv.com; rwalton@westconsultants.com; tmartin@integral-corp.com; HOPE Bruce
Subject: Fate and Transport Modeling Meeting - Portland Harbor

Eric and Chip –

Due to all the meetings on the Round 2 Report, we have not rescheduled a meeting to discuss the Fate and Transport modeling details. Per our meetings in June we agreed on the schedule shown below. We need to complete Step 1 by September timeframe so we need to meet soon to even get started. Due to some ongoing vacations, our team is generally available starting the week of August 21. Please propose a few days and times that EPA can meet and we will try to accommodate to your schedules.

In the past we talked about Bruce Hope and at least one EPA representative being necessary at the meeting. Our team would likely consist of myself, Ray Walton, Gene Revelas, and/or Nancy Judd/John Toll.

Approximate Schedule:

1. Through September – EPA and LWG jointly develop concept, architecture, linkage logistics, and modeling scenarios for Hybrid Model. Agree on final architecture and parameterization for food web portions in time for Round 2 Report development.
- 2.a. Mid-October – Calibration of EFDC model completed.
- 2.b. Mid-October – Complete preliminary Hybrid Model runs using non-calibrated EFDC outputs. Identify Round 3B data gaps during this step.

3. December – Complete preliminary Hybrid Model runs using outputs of calibrated EFDC model for “typical” river conditions (e.g., calibration/validation period conditions).
4. March 2007 – Complete full integration of Hybrid Model and final baseline runs of Hybrid Model for a range of river conditions and provide Technical Memo on accuracy and ability of model to be used for FS alternative evaluations. Possible additional 3B data gaps identified here.

Thanks in advance.

Carl

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